

## Presentation of Hemoglobinopathies in Newborns and Infants

### ***Internet Enduring Material***

***Release Date:*** 12/21/2023

***Expiration Date for Credit:*** 12/20/2026

*Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on December 6, 2023.*

### ***Accreditation***

The Pediatrix Center for Research, Education, Quality and Safety is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Pediatrix Center for Research, Education, Quality and Safety designates this Internet Enduring Material for a maximum of 1.00 *AMA PRA Category 1 Credit*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Pediatrix Center for Research, Education, Quality and Safety is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

The Pediatrix Center for Research, Education, Quality and Safety designates this Internet Enduring Material for a maximum of 1.00 *nursing contact hour*. Participants should claim only the claim credit commensurate with the extent of their participation in the activity.

### ***Time to Complete***

The estimated time for completion of this Internet Enduring Material is 65 minutes.

### ***Target Audience***

This presentation is intended for physicians, advanced practice providers, and other clinicians practicing within the Neonatology specialty.

### ***Mitigation of Relevant Financial Relationships***

The Pediatrix Center for Research, Education, Quality and Safety adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CE activity, including faculty, planners, reviewers, or others are required to disclose all financial relationships with ineligible companies within the 24 months prior to their involvement with the CE activity. All relevant financial relationships listed have been mitigated prior to the commencement of the activity. Beyond the disclosure of financial relationships, faculty are required to disclose when they plan to discuss pharmaceuticals and/or medical devices that are not approved by the FDA and/or medical or surgical procedures that involve an unapproved or "off-label" use of an approved device or pharmaceutical.

### ***Disclosure of Relevant Financial Relationships***

**Matthew Heeney, MD**, faculty for this educational activity, has the following relevant financial relationship(s) with ineligible companies to disclose: Consultant-Novartis AG, Weatherden, Omeros, Blueprint Medicine; Grant or research support-Beam Therapeutics; Royalties or Patent Beneficiary-Up to Date.

Relationships have ended: Consultant-Vertex, BluebirdBio, Oric Pharmaceuticals, FORMA Therapeutics, Global Blood Therapeutics, Agios, Pharmacosmos, Keros Therapeutics.

**Nicole Brenson and Jaya Sariga, NNP-BC**, planners of this educational activity, have no relevant financial relationships with ineligible companies to disclose.

### **Commercial Support**

There is no commercial support for this educational activity.

### **Overview**

Genetics and Newborn Screening continues to be a growing area in Pediatrics with hemoglobinopathy newborn screening practices varying across states. This presentation will address Newborn Screening (NBS) and Hemoglobinopathy diagnostics in the newborn period. Additionally, this activity will review quantitative and qualitative hemoglobin disorders, diagnostic testing options, and treatment therapies. At the conclusion of the activity, learners will review the screening process in their unit and if necessary, implement at least one strategy or technique to apply to diagnostic treatment.

### **Objectives**

*At the conclusion of this activity, the participant will be able to:*

- Describe the developmental expression of globins.
- Discuss pathophysiology and diagnostic approach to hemoglobinopathies.
- Identify common presentations of hemoglobinopathies.

### ACGME/ABMS Competencies

- Medical Knowledge

### IOM Competencies

- Employ evidence-based practice

### **Participation and Credit**

Participants are expected to review all content in the video, access reference materials as needed for additional self-directed learning, take and score 75% or greater correct on the post-test, and complete the evaluation in order to earn *AMA PRA Category 1 Credit(s)*<sup>™</sup>, or nursing contact hour(s).

There are no fees for participating in or receiving credit for this online educational activity. For information on the applicability and acceptance of credit for this activity, please consult your professional licensing board.

### **Contact**

Should you have any questions or concerns, please contact us at [continuing.education@pediatrix.com](mailto:continuing.education@pediatrix.com)